

***Key Knowledge***

* Describe the movement of the Earth and other planets in relation to the Sun and Solar System
* Describe the movement of the moon in relation to the Earth
* Describe the Sun, Earth and Moon as approximately spherical bodies
* Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky
* Locate the World’s countries, using maps to focus on Europe {including the location of Russia} and North and South America, concentrating on their environmental regions, key physical and human characteristics, and major cities
* Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Artic and Antarctic Circle, the Prime/Greenwich Meridian and time zones {including day and night)
* Improve their mastery of art and design techniques including drawing, painting and sculpture
* Learn about great artists, architects and designers in history

***Immerse – know of***

Research historical understanding of Earth, Solar System and astronomers. Investigating an appreciation of the ‘Flat Earth’ concept. Locate main countries and their position as well as landmarks from space. Establish position of cities using longitude, latitude and equator. Watch documentaries to see how they are presented.

***Practice – know of***

Using length of shadows to discuss day and night in relation to the Earths rotation. Construct sundials and explain how they work. Using scientific knowledge to report relationships between Earth, sun and moon. Explain the moon phases by completing a moon diary.

***The Challenge***

To create own space documentary from learnt knowledge – to include soundtracks and explored artwork.

Cinema style screen of documentary for families.

***Practice – know how***

Whilst listening to specific music reflect on techniques used to represent space. Using a image of Earth create an interpretation using different painting techniques. To use storyboard techniques to produce a space documentary.

***Immerse – know how***

To describe the movements of the Earth, Sun, Moon and planets. Explore and locate latitude, longitude, Equator and Tropics. Look at how artists and musicians use the sky at night as a stimulus. Using different techniques to recreate images of earth from space.

***Engage***

What would you ask an astronaut?

What do they think space looks likes?

What do they know about space?

***Elicitation***

Shadows, Northern Hemisphere, Southern Hemisphere, four-figure grid references, Equator, Tropics of Cancer/Capricorn.

***Vocabulary***spherical, longitude, latitude, planetarium, rotation, orbiting, axis, Prime/Greenwich, Meridian, sunrise, sunset